

Commissioner for Patents  
Serial No. 09/987,828

- 2 -

## AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions, and listings, of claims in the application:

### LISTING OF CLAIMS

1. [CANCELLED]
2. [PREVIOUSLY PRESENTED] A method as claimed in claim 6, wherein calculating the at least one CDC comprises calculating a cyclic redundancy check (CRC).
3. [PREVIOUSLY PRESENTED] A method as claimed in claim 6, wherein comparing comprises determining if the at least one associated record is changed, and yields information regarding the type of change, the information being input to a predefined algorithm that executes in the memory.
4. [PREVIOUSLY PRESENTED] A method as claimed in claim 3, wherein executing comprises effecting the registration by issuing a message to an electronic token reader in which the electronic token is docked, the message containing at least one parameter regarding the change for use by a registering element to which the message is sent by a token-resident applet via the electronic token reader.
5. [PREVIOUSLY PRESENTED] A method as claimed in claim 4, wherein executing further comprises setting a response pending flag which is cleared if an acknowledgement of the message is received, wherein the flag is used to indicate that a message was not acknowledged.
6. [CURRENTLY PRESENTED] A method applied by an electronic token comprising a microprocessor and a memory for identifying changed records in the memory of the electronic token, the method comprising:  
calculating in the memory of the electronic token a change detection code (CDC) for each record in the memory and storing the respective CDCs in the memory of the electronic token;

Commissioner for Patents  
Serial No. 09/987,828

- 3 -

comparing in the memory electronic token the calculated CDC with a stored CDC associated with the record in order to determine if the record has been changed since the stored CDC was calculated; and

if the calculated CDC is not equal to the stored CDC, preparing a Short message Service (SMS) message in the electronic token and sending a the SMS message from the electronic token to a requesting registering element, which SMS message includes a content of the record which has been identified as changed, and saving the calculated CDC of the record as the stored CDC of the record.

7. [PREVIOUSLY PRESENTED] A method as claimed in claim 5, wherein determining comprises using any flag set in association with the stored CDC, in conjunction with the values of the stored CDC and calculated CDC to determine if the record was changed since a last acknowledged message related to the record was sent.
8. [PREVIOUSLY PRESENTED] A method as claimed in claim 4, wherein effecting the registration comprises sending the message to the registering element, which performs at least one of: synchronization of data across multiple data stores; update of a system with respect to the record; back-up of the record; and provision of a service feature in dependence on the change to the record.
9. [PREVIOUSLY PRESENTED] A method as claimed in claim 8, wherein sending a message comprises issuing a short message service (SMS) message to a service provider that has access to the registering element.
10. [PREVIOUSLY PRESENTED] A method as claimed in claim 9, wherein executing the predefined algorithm further comprises:  
receiving information relating to the change;  
formulating a notice of change (NOC) message; and  
inserting as many NOC messages as possible into the SMS message before sending the SMS message.

Commissioner for Patents  
Serial No. 09/987,828

- 4 -

11. [PREVIOUSLY PRESENTED] A method as claimed in claim 10, wherein the electronic token is a subscriber identity module and comparing further comprises applying a comparison algorithm that executes on the subscriber identity module, the comparison algorithm being adapted to compare a CDC of each of a plurality of abbreviated dialing numbers (ADN) in the file; and the step of issuing comprises directing a SMS message to the registering element, which is adapted to perform at least one of the following: ensure conformity of the file with other versions of the file stored elsewhere; back-up the file; and, provide a service feature in dependence on the change.
12. [PREVIOUSLY PRESENTED] A method as claimed in claim 8, wherein sending comprises formulating the message by inserting the at least one parameter into respective fields of the message, and forwarding the message to the registration element.
13. [PREVIOUSLY PRESENTED] A method as claimed in claim 12, wherein formulating comprises inserting a record identifier, and information that specifies the change.
14. [PREVIOUSLY PRESENTED] A method as claimed in claim 13, wherein formulating comprises inserting a value that indicates one of the following: the record was added; the record was deleted; and the record was modified.
15. [CURRENTLY AMENDED] An apparatus for providing a service to a subscriber having an electronic token, the apparatus comprising:  
a change detection applet stored on an electronic token including a microprocessor and a memory, the electronic token storing a set of records and change detection codes (CDCs) respectively associated with the records, the CDCs identifying a version of the stored record, said applet being adapted to be executed by the microprocessor of the electronic token and adapted to identify any record that has been changed since a change detection code (CDC) of the record was stored in the ~~card~~ token, by calculating a current CDC for the record and comparing such current CDC with the stored CDC, the applet being further adapted to send a notice of change Short Message Service (SMS)

Commissioner for Patents  
Serial No. 09/987,828

- 5 -

message (NOG) to a registering element, the notice of change SMS message including a content of such a record which has been identified as changed due to its calculated CDC being different from its stored CDC, the applet being adapted to save the calculated CDC as the stored CDC when the record has been identified as changed because the calculated CDC for the record is different from the stored CDC for the record.

16. [ORIGINAL] An apparatus as claimed in claim 15, wherein the change detection applet calculates a cyclic redundancy check (CRC) to derive the current CDC.
17. [PREVIOUSLY PRESENTED] An apparatus as claimed in claim 16, further comprising a registering element adapted to receive the message and use a content of the message to perform at least one of the following: back up records for which the message was generated; synchronize the file with other files remotely stored but commonly associated with a subscriber; and, provide a service dependent upon the detected change.
18. [ORIGINAL] An apparatus as claimed in claim 15, wherein the electronic token is docked in a communications enabled device that comprises an electronic token reader adapted to exchange data in conformity with a predetermined protocol.
19. [PREVIOUSLY PRESENTED] An apparatus as claimed in claim 18, wherein the electronic token is one of: a subscriber identity module (SIM) card compliant with a global system for mobile communications (GSM) standard; and a universal SIM (USIM) card.
20. [ORIGINAL] An apparatus as claimed in claim 18, wherein the communications enabled device is adapted to function as a short message service (SMS) enabled telephone.
21. [CURRENTLY AMENDED] An apparatus as claimed in claim 15, further comprising a data store for storing a set of response pending flags that are associated with a list of records in the file, and the change detection applet is further adapted to use the set of response pending flags to determine if a record may have been changed since a last NOG-SMS message for the record was acknowledged.

Commissioner for Patents  
Serial No. 09/987,828

- 6 -

22. [CURRENTLY AMENDED] An apparatus as claimed in claim 21, wherein the set of response pending flags comprises at least two flags used to encode change of information, and the change detection applet is further adapted to use the plurality of flags, in conjunction with the stored CDC and current CDC, to determine if a notice of change-an SMS message related to the record is to be sent.
23. [CANCELLED]
24. [CURRENTLY AMENDED] A change detection applet stored and executed on an electronic token including a microprocessor and a memory, the electronic token storing a set of records and change detection codes (CDCs) respectively associated with the records, the CDCs identifying a version of the stored record, said applet being adapted to be executed by the microprocessor of the electronic token and adapted to identify any record that has been changed since a change detection code (CDC) of the record was stored in the earlier token, by calculating a current CDC for the record and comparing such current CDC with the stored CDC, the applet being further adapted to prepare and send a notice-of-change Short Message Service (SMS) message (NOC) to a registering element, the notice of change-SMS message including a content of such a record which has been identified as changed due to its calculated CDC being different from its stored CDC, the applet being adapted to save the calculated CDC as the stored CDC when the record has been identified as changed because the calculated CDC for the record is different from the stored CDC for the record.
25. [PREVIOUSLY PRESENTED] An electronic token storing and running an applet as claimed in claim 24.